

Datasheet: 4113-1077

**BATCH NUMBER 172540**

<b>Description:</b>	MOUSE ANTI HUMAN ENDOTHELIN 1
<b>Specificity:</b>	ENDOTHELIN 1
<b>Other names:</b>	EDN1
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	IC4
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
Western Blotting			▪	
Immunoradiometric assay	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> )

<b>Approx. Protein Concentrations</b>	1.0 mg/ml
<b>Immunogen</b>	C-terminal fragment of human endothelin 1.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P05305</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">1906</a>    EDN1    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_2096251
<b>Specificity</b>	<p><b>Mouse anti Human endothelin 1 antibody, clone IC4</b> recognizes human endothelin 1 (ET-1). Endothelin-1 in its precursor form is a 212 amino acid protein with a 17 aa signal peptide, an N-terminal pro-peptide region and a C-terminal pro-peptide region flanking the endothelin peptides, big endothelin-1 (38aa), the precursor of the smaller endothelin peptide which is cleaved by endothelin converting enzyme to produce the active endothelin-1 (21aa) peptide and a c-terminal fragment. Endothelin-1 is a potent vasoconstrictor with a molecular mass of approximately 25 kDa. Mouse anti human endothelin 1 antibody, clone IC4 shows less than 10% reactivity with endothelin 3.</p> <p>Plasma levels of both endothelin-1 and big endothelin-1 are useful as predictors for survival of patients with congestive heart failure (<a href="#">Rodeheffer et al. 1992</a>). However, the half life of the endothelin1 peptide in human plasma is very short (c1.0 mins) and measurement of big-endothelin-1 may be a more reliable measure of the endothelin secretory pathway activity (<a href="#">Hemsén et al. 1995</a>).</p>
<b>References</b>	1. Papalambros, E. <i>et al.</i> (2003) Immunohistochemical expression of metalloproteinases MMP-2 and MMP-9 in abdominal aortic aneurysms: correlation with symptoms and aortic diameter. <a href="#">Int J Mol Med. 12 (6): 965-8.</a>
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/4113-1077">https://www.bio-rad-antibodies.com/SDS/4113-1077</a>
<b>Regulatory</b>	For research purposes only

## Related Products

## Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight®800</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>

## Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)

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**Printed on 29 Jan 2026**